CLAIMS

What is claimed is:

1. In a wireless device having a transceiver, a method for providing a service record for an application running on a virtual serial port, said method comprising the steps of:

a) executing said application, wherein said application is a legacy application operable to communicate with a peripheral device over a serial connection;

b) opening a virtual serial port for said application, wherein said virtual serial port is opened by a virtual serial port driver and wherein said virtual serial port emulates said serial connection;

c) creating a service record corresponding to said application; and

d) registering in said service record a service name identifying said application, wherein said service name is provided by said virtual serial port driver.

2. The method as recited in Claim 1 wherein said wireless device is a Bluetooth-enabled device.

3. The method as recited in Claim 2 wherein said service record is a Service Discovery Protocol service record.

4. The method as recited in Claim 2 wherein said virtual serial port driver is substantially compliant with the RFCOMM protocol and comprises a port emulation entity.

5. The method as recited in Claim 4 wherein said step b) comprises the step of:

b1) selecting a RFCOMM channel number for said virtual serial port.

6. The method as recited in Claim 5 wherein said step d) comprises the step of:

including said RFCOMM channel number in said service name.

7. The method as recited in Claim 1 wherein said step d) comprises the step of:

deriving said service name from a name for said application.

8. The method as recited in Claim 1 wherein said step d) comprises the step of:

using a default name for said service name.

9. A wireless device comprising:

a bus;

a wireless transceiver unit coupled to said bus and for communicating with other wireless devices;

a processor coupled to said bus; and

a memory unit coupled to said bus and comprising processor instructions for performing a method for providing a service record for an application running on a virtual serial port, said method comprising the steps of:

a) executing said application, wherein said application is a legacy application operable to communicate with a peripheral device over a serial connector;

b) opening a virtual serial port for said application, wherein said virtual serial port is opened by a virtual serial port driver and wherein said virtual serial port emulates said serial connector;

c) creating a service record corresponding to said application; and

d) registering in said service record a service name identifying said application, wherein said service name is provided by said virtual serial port driver.

10. The wireless device of Claim 9 wherein said wireless device and said other wireless devices are Bluetooth-enabled devices.

11. The wireless device of Claim 10 wherein said service record is a Service Discovery Protocol service record.

12. The wireless device of Claim 10 wherein said virtual serial port driver is substantially compliant with the RFCOMM protocol and comprises a port emulation entity.

13. The wireless device of Claim 12 wherein said step b) of said method comprises the step of:

b1) selecting a RFCOMM channel number for said virtual serial port.

14. The wireless device of Claim 13 wherein said service name comprises said RFCOMM channel number.

15. The wireless device of Claim 9 wherein said service name is derived from a name for said application.

16. The wireless device of Claim 9 wherein said service name is a default name.

17. In a network of wireless devices comprising a first wireless transceiver device and a second wireless transceiver device, a method for accessing a legacy application residing on said first wireless transceiver device, said method comprising the steps of:

a) establishing a wireless connection between said first wireless transceiver device and said second wireless transceiver device;

b) opening a first virtual serial port on said first wireless transceiver device and a second virtual serial port on said second wireless transceiver device, wherein said first and second virtual serial ports are opened by a first virtual serial port driver and a second virtual serial port driver respectively and wherein said first and second virtual serial ports are for emulating a serial connector for said legacy application;

c) creating on said first wireless transceiver device a service record corresponding to said legacy application;

d) registering in said service record a service name for said legacy application, wherein said service name is provided by said first virtual serial port driver;

e) using said service record to locate said legacy application for said second wireless transceiver device; and

f) establishing a communication path from said second wireless transceiver device to said legacy application using said first and second virtual serial ports.

18. The method as recited in Claim 17 wherein said first and second wireless transceiver devices are a Bluetooth-enabled device.

19. The method as recited in Claim 18 wherein said service record is a Service Discovery Protocol service record.

20. The method as recited in Claim 18 wherein said first and second virtual serial port drivers are substantially compliant with the RFCOMM protocol and comprise a port emulation entity.

21. The method as recited in Claim 20 wherein said step b) comprises the step of:

b1) selecting a RFCOMM channel number for said first virtual serial port.

22. The method as recited in Claim 21 wherein said step d) comprises the step of:

including said RFCOMM channel number in said service name.

23. The method as recited in Claim 17 wherein said step d) comprises the step of:

deriving said service name from a name for said legacy application.

24. The method as recited in Claim 17 wherein said step d) comprises the step of:

using a default name for said service name.